

ABSTRACT

The present disclosure relates to a sheath system for enabling access through an opening in the body of a patient is provided. The sheath system includes a dilation assembly having a radially expandable tubular sheath defining a lumen having a first cross-sectional area when in a non-expanded condition, and a handle assembly operatively coupled to a proximal end of tubular sheath, the handle assembly defining an aperture formed therein, and a first thread defined on the handle in the aperture thereof. The sheath system further includes an expansion assembly including a tubular member defining a lumen having a second cross-sectional area which is larger than the first cross-sectional area of the tubular sheath of the dilation assembly and having an outer surface defining a second thread, the second thread being arranged for engaging the first thread.